

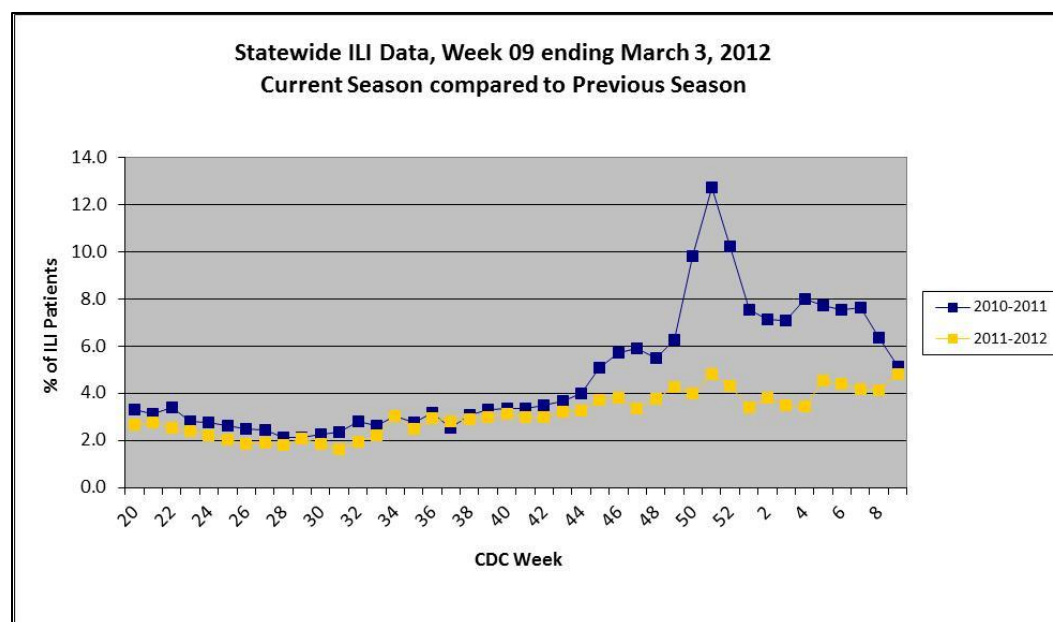


2011-2012 Influenza Report Week 09 February 26 – March 3, 2012

About our flu activity reporting

MSDH relies upon selected sentinel health practitioners across the state to report the percentage of non-trauma visits consistent with an influenza-like illness (ILI: fever > 100°F AND cough and/or sore throat). Also, providers are supplied with specimen collection kits: Samples are submitted to the Mississippi Public Health Laboratory for influenza PCR testing. Reports are used to estimate the state's ILI rate and the magnitude of the state's influenza activity. Reports represent only the distribution of flu in the state, not an actual count of all flu cases statewide. **Information is provisional only and may change depending on additional reporting from sentinel providers.**

State ILI Surveillance

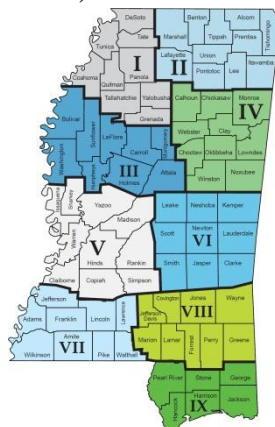


For week **09** (02/26/2012-03/03/2012), the overall state ILI rate (**4.8%**) **increased slightly** compared to last week (**4.1%**), but was comparable to this time last year (**5.1%**). | **Figure 1**

Total number of non-trauma patients treated by sentinel providers in the last three weeks. | **Table 1**

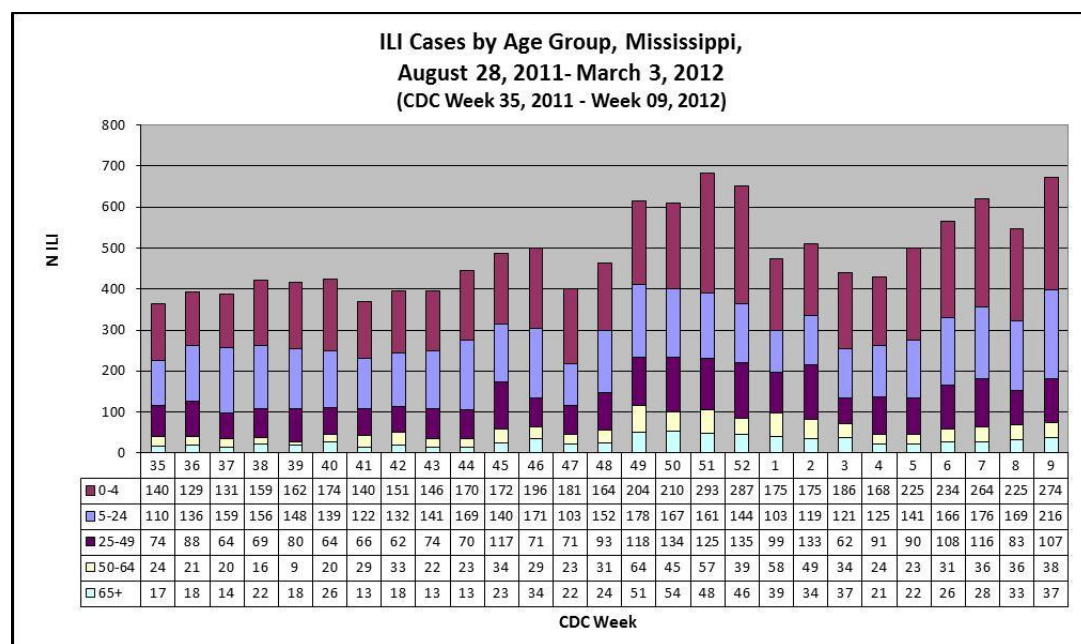
| 2011-2012 Influenza Season | | | | |
|----------------------------|---------------|---------------------|--------------|--------------|
| CDC Week | Week Ending | Non-trauma patients | ILI symptoms | ILI Rate (%) |
| 09 | Mar. 3 | 13947 | 673 | 4.8% |
| 08 | Feb. 25 | 14307 | 590 | 4.1% |
| 07 | Feb. 18 | 15488 | 645 | 4.2% |

During week **09**, **four** districts (1, 2, 3, and 6) had an increase in ILI activity, while **one** district (8) had a slight decrease. **Four** districts (4, 5, 7, and 9) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* / **Table 2**



Map – MS Public Health Districts

| MSDH District ILI Rates (%) 2011-2012 | | |
|--|---------|---------|
| District | Week 08 | Week 09 |
| State | 4.1 | 4.8 |
| I | 4.2 | 5.7 |
| II | 4.1 | 6.3 |
| III | 4.9 | 6.4 |
| IV | 5.4 | 5.1 |
| V | 1.0 | 0.9 |
| VI | 6.9 | 11.1 |
| VII | 3.7 | 3.3 |
| VIII | 8.1 | 7.6 |
| IX | 2.6 | 3.0 |



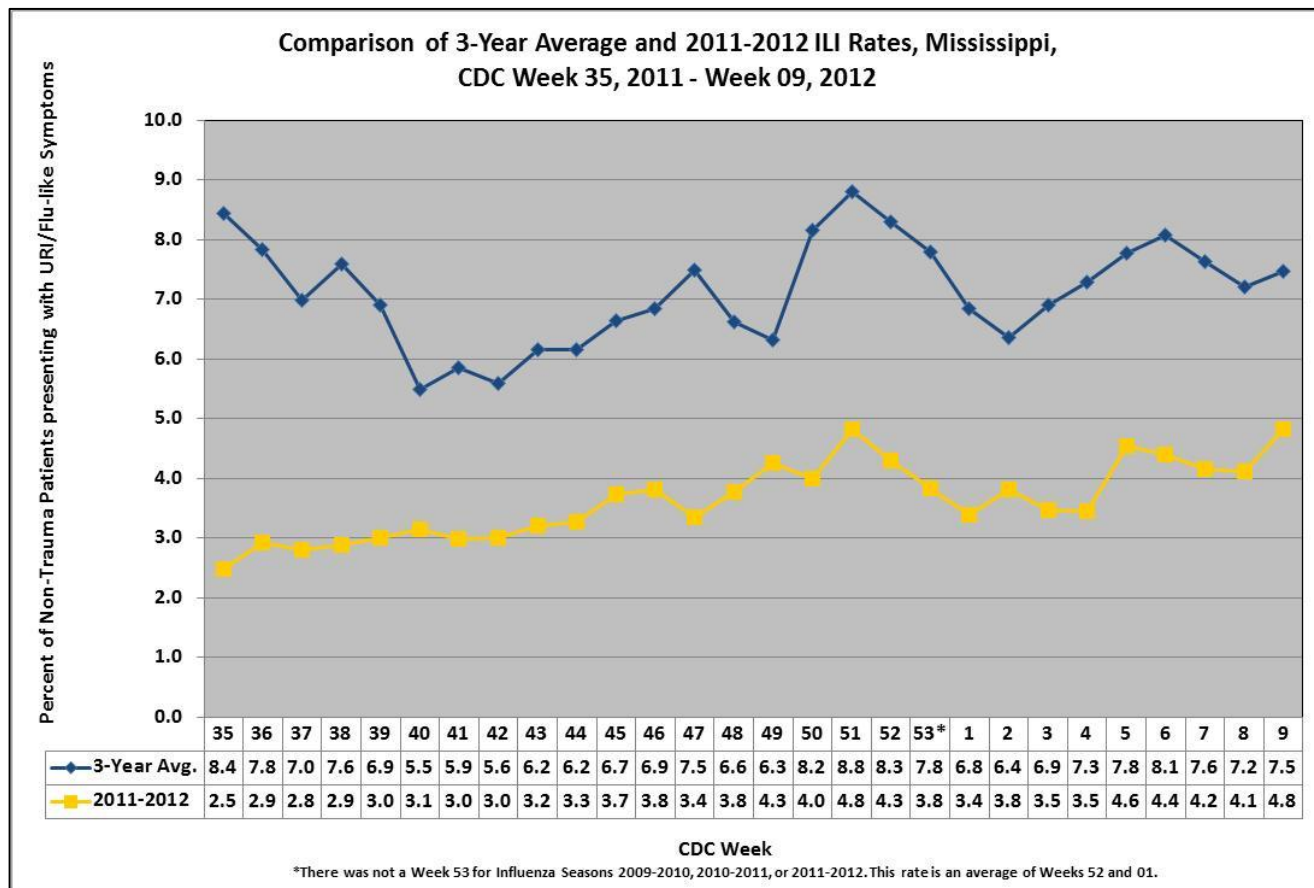
The number of reported ILI cases has been highest among people in the 0 to 4 years of age group, followed by those in the 5 to 24 years of age group.

During Week

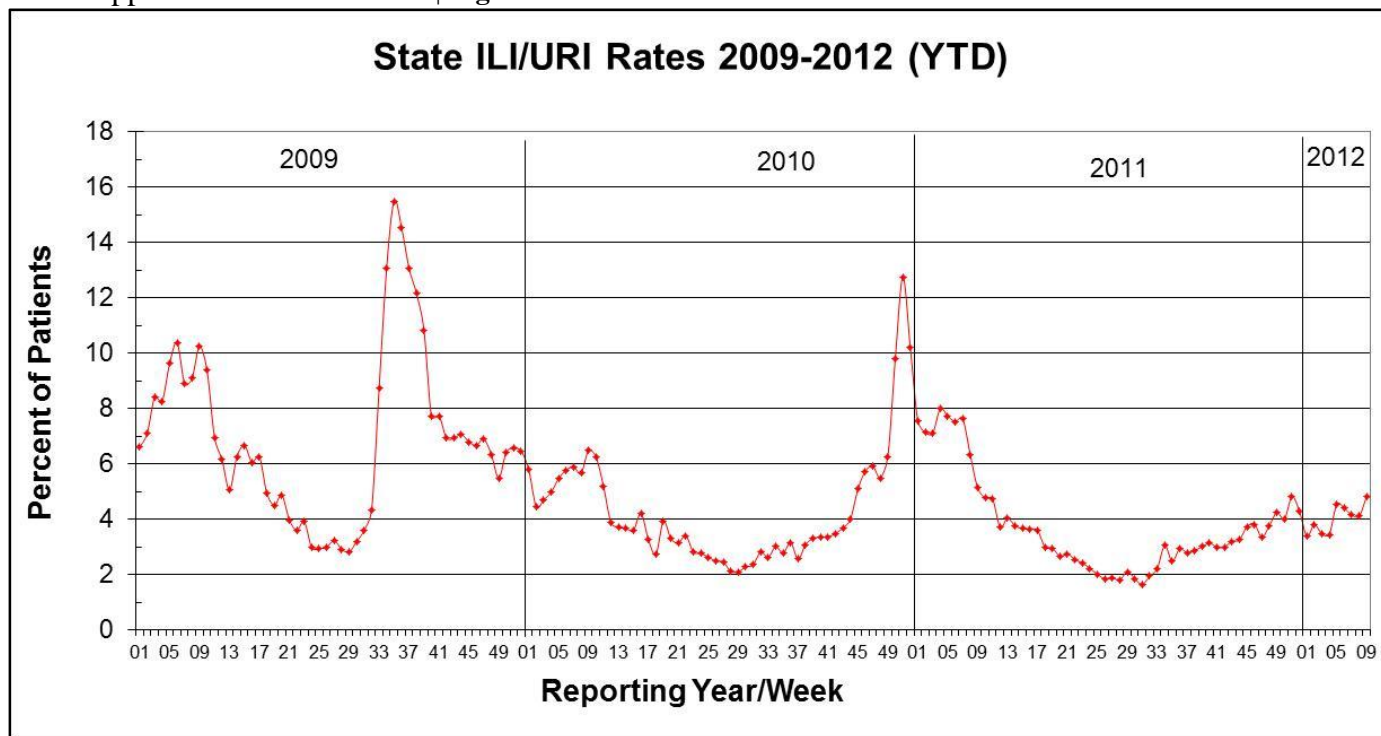
09, the number of reported ILI cases was highest among individuals in the **0 to 4 years** of age group. |

Figure 2

The 2011-12 state ILI rate was **below** baseline for week **09**. | **Figure 3**



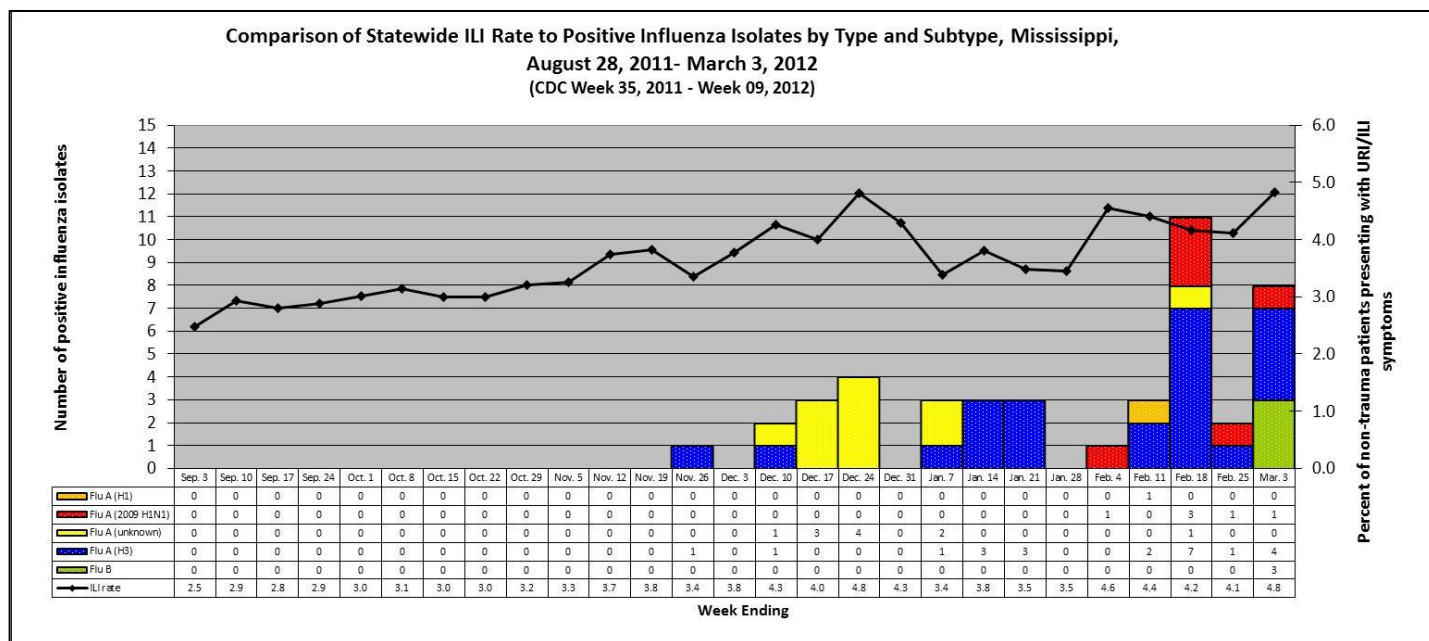
Mississippi ILI Rates 2009-2012 | **Figure 4**



Flu testing Reports

From week **35** (week ending September 3rd) through week **09** (week ending March 3rd), forty-four (**44**) positive influenza samples were identified by MSDH. Forty-one were influenza A and three were influenza B. Twenty-three were subtyped as influenza A (H3) and seven were subtyped as influenza A (H1). Eleven samples did not have subtyping performed.

The influenza cases were identified from the following counties: Benton, Calhoun (4), Chickasaw, Copiah (2), Covington, DeSoto, Forrest, Harrison (2), Hinds (4), Lawrence, Leflore, Lincoln, Marshall (9), Oktibbeha, Panola, Stone, Tate (2), and Yazoo (10). | **Figure 5**



National ILI Surveillance

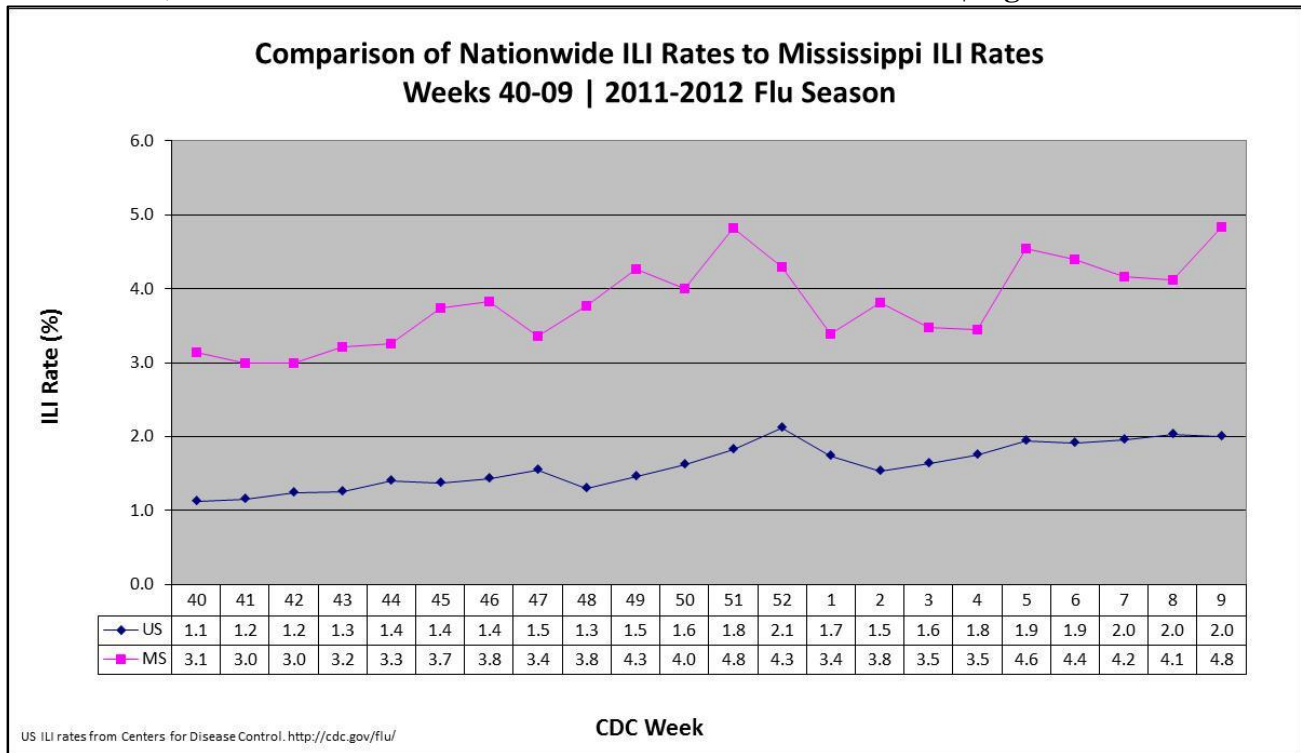
Nationally, there was one influenza-associated pediatric death reported to CDC during week **09** and was associated with a seasonal influenza A (H3) virus. The death occurred during week **06** (week ending February 11, 2012). This brings the total number of influenza-associated pediatric deaths reported during the 2011-2012 season to five.

Mississippi has had no reported influenza-associated pediatric deaths during this influenza season.

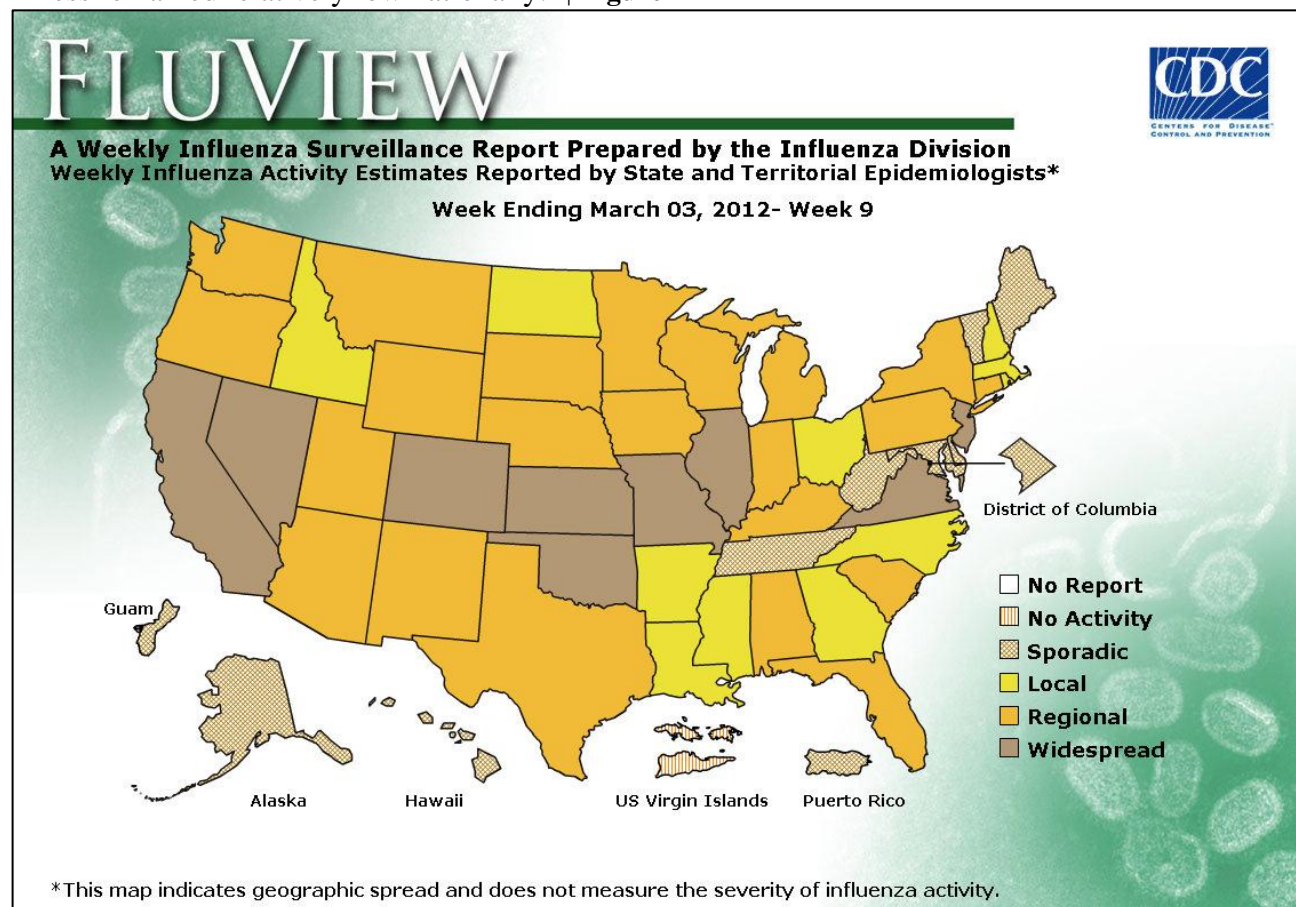
Mississippi reported “**Local**” activity for week **09**. | **Table 4**

| Level of Flu Activity | Definition |
|-----------------------|--|
| No Activity | Overall clinical activity remains low and there are no lab confirmed cases. |
| Sporadic | Isolated cases of lab confirmed influenza in the state; ILI activity is not increased <u>OR</u> A lab-confirmed outbreak in a single institution in the state; ILI activity is not increased. |
| Local | Increased ILI within a single region AND recent (within the past 3 weeks) laboratory evidence of influenza in that region. ILI activity in other regions is not increased <u>OR</u> two of more institutional outbreaks (ILI or lab confirmed) within a single region AND recent (within the past 3 weeks) lab confirmed influenza in that region. Other regions do not have increased ILI and virus activity is no greater than sporadic in those regions |
| Regional | Increased ILI in at least 2 regions but fewer than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions <u>OR</u> Institutional outbreaks (ILI or lab confirmed) in at least 2 regions but fewer than half of the regions AND recent lab confirmed influenza in the affected regions. |
| Widespread | Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state. |

For week **09**, the MS ILI rate continued to remain **above** the national rate. | **Figure 6**



During week **09**, influenza activity was elevated in some areas in the United States, but influenza-like-illness remained relatively low nationally.¹ | **Figure 7**



¹For up-to-date information on flu activity nationwide, please refer to the CDC's website:
<http://www.cdc.gov/flu/weekly/fluactivity.htm>

Additional information:

| | |
|--|---|
| Centers for Disease Control and Prevention | http://cdc.gov/flu/ |
| Flu.gov | http://www.flu.gov/ |
| MSDH Flu and Pneumonia | http://msdh.ms.gov/msdhsite/_static/14,0,199.html |
| Google Flu Trends | http://www.google.org/flutrends/ |
| World Health Organization FluNet | http://www.who.int/csr/disease/influenza/influenzanetwork/flunet/en/ |

Page intentionally blank

Appendix

Figure 1

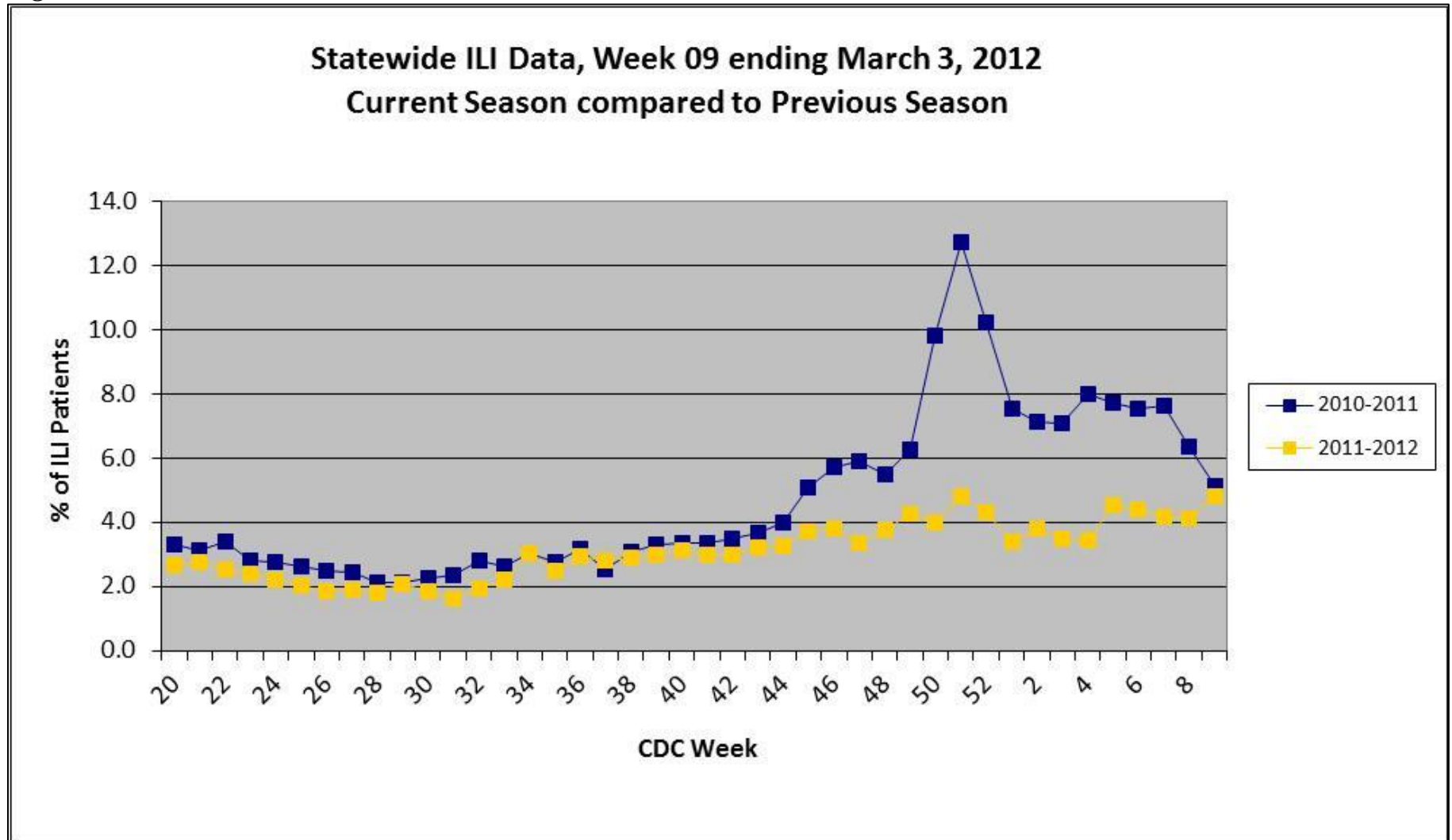


Figure 2

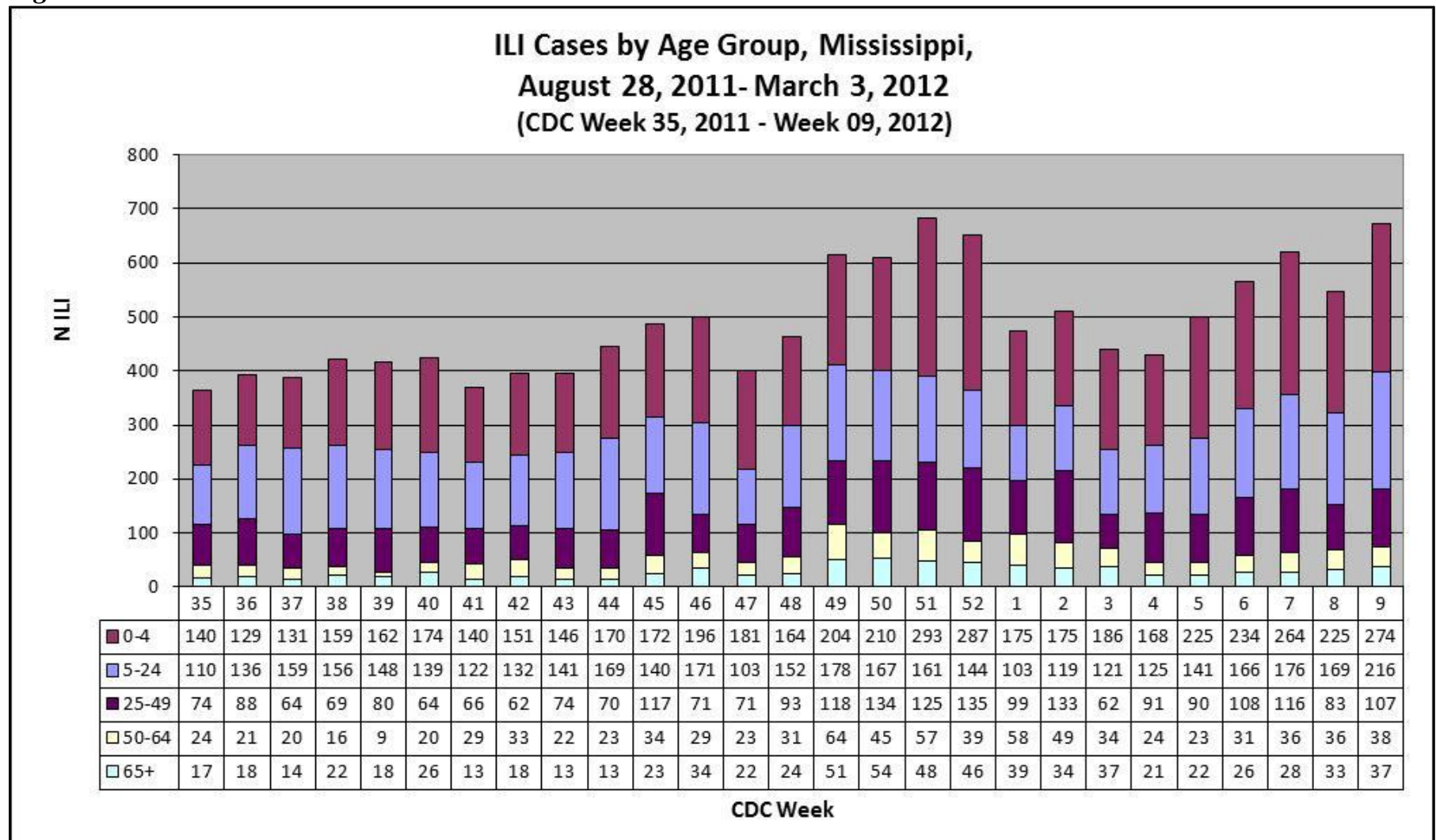


Figure 3

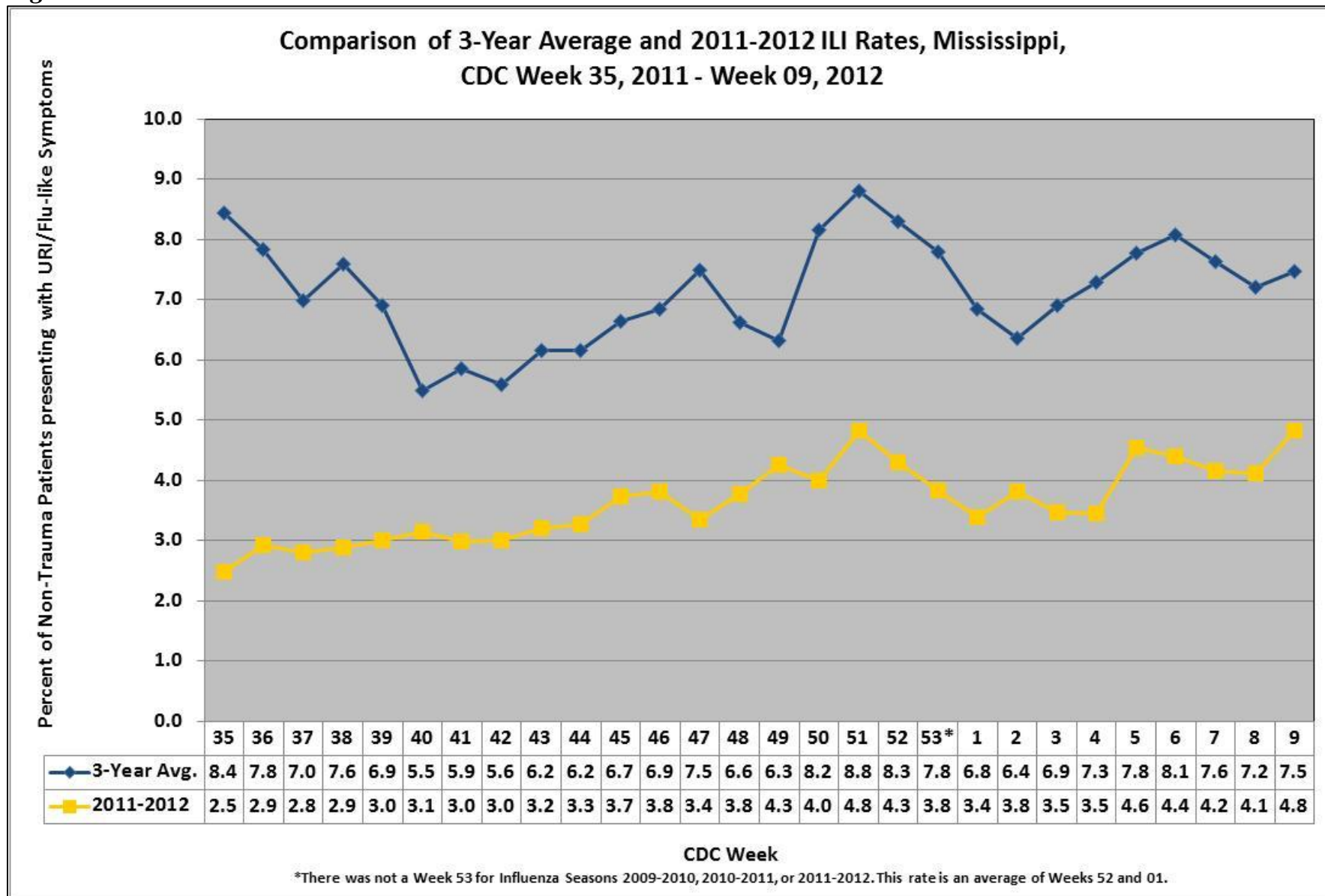


Figure 4

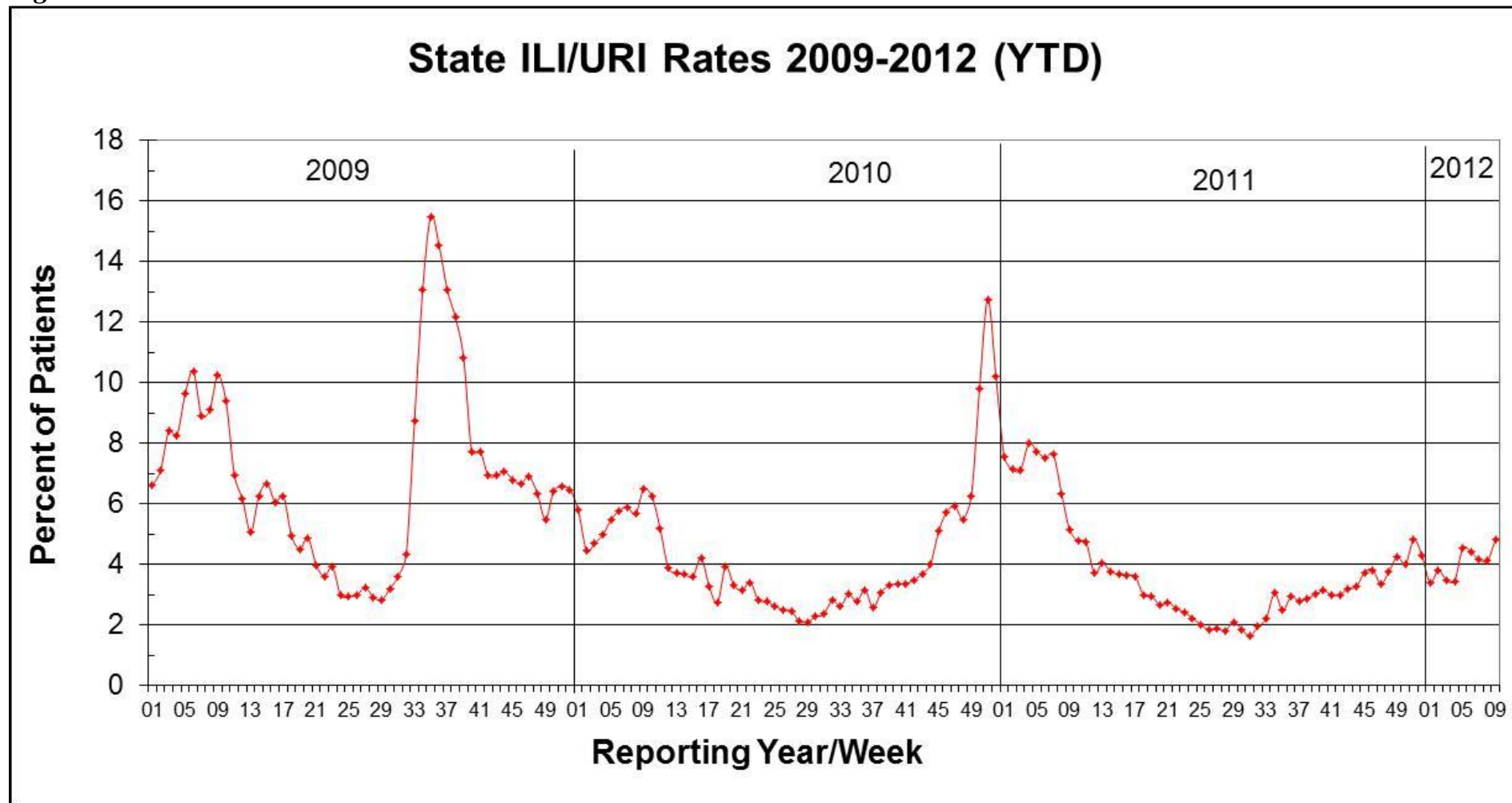


Figure 5

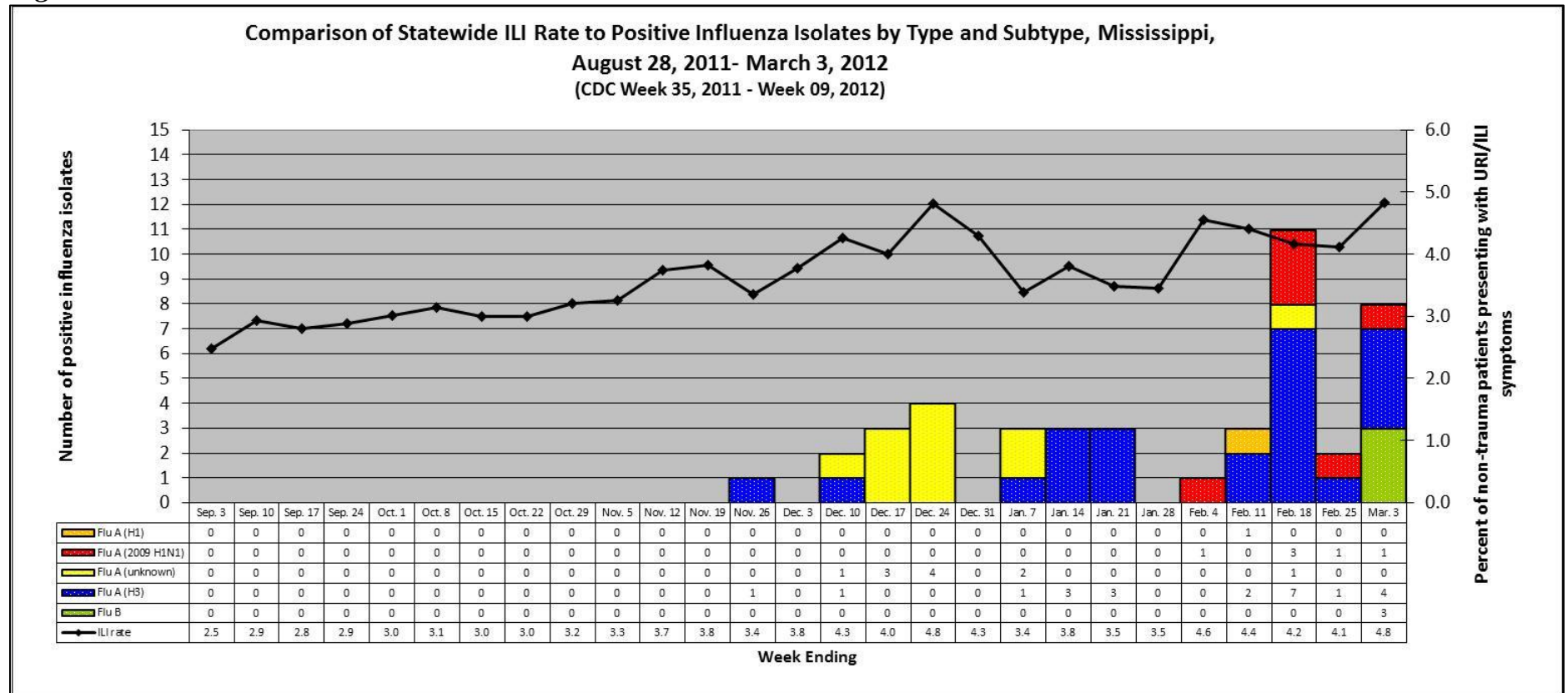


Figure 6

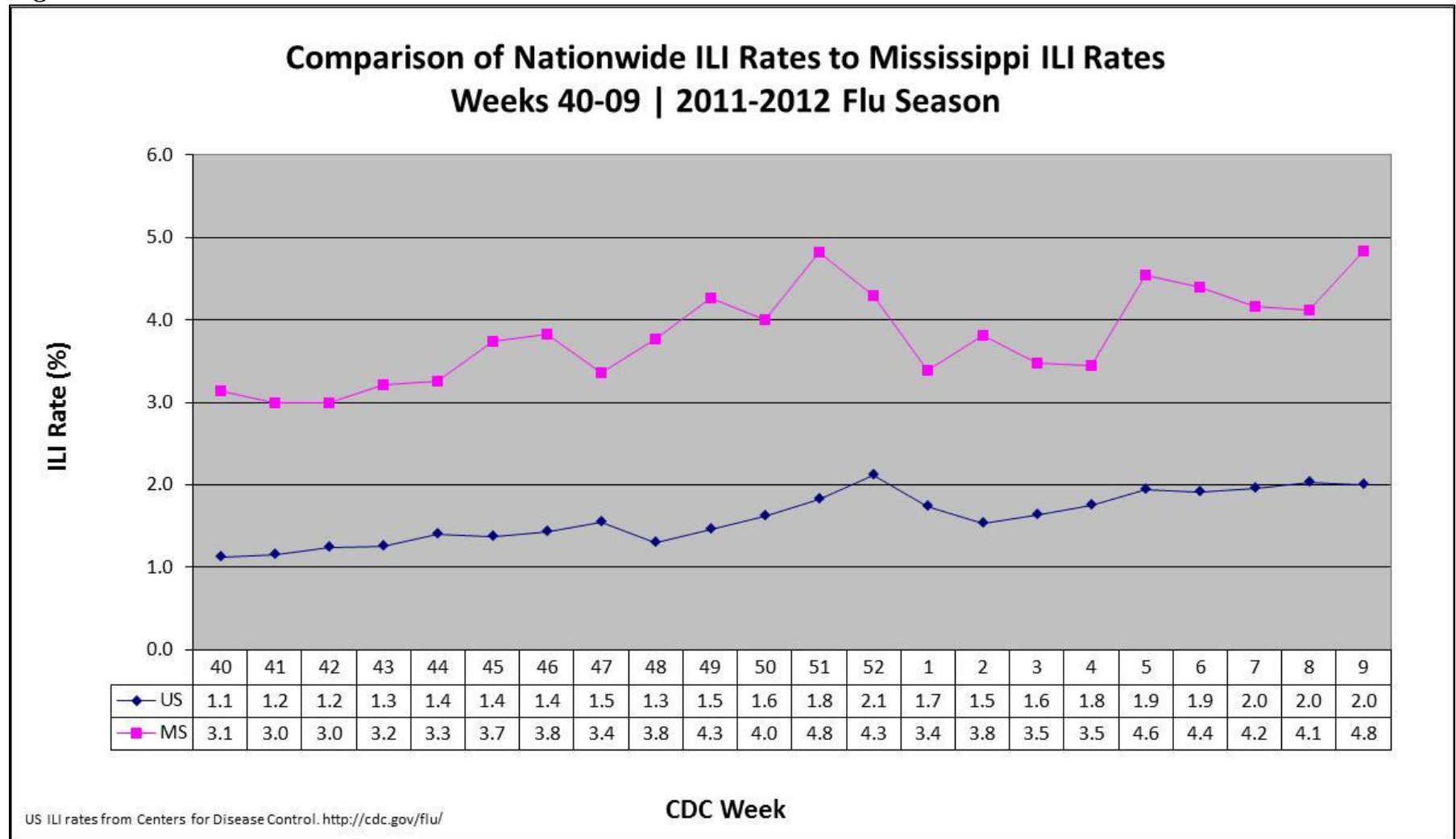


Figure 7

